

Attorney Docket No. JMY-P01-002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Derry Roopenian

Examiner: Qian J. Li

Serial No.: 09/993,322

Art Unit: 1632

Filing Date: November 6, 2001

For: FcRn-Based Therapeutics for the
Treatment of Auto-Immune
Disorders

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to the Commissioner for Patents, Washington, D.C. 20231 on September 15, 2003.


Mary Jane DiPalma

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WASHINGTON, D.C. 20231

DECLARATION BY DR. DERRY ROOPENIAN UNDER 35 §U.S.C. 1.132

Sir:

I, DERRY ROOPENIAN, hereby declares and states as follows:

1. I am the applicant and the inventor of the above-identified patent application, and the subject matter described and claimed therein.


2. I am a Senior Staff Scientist at The Jackson Laboratory. A copy of my CV is enclosed with this Declaration.

3. I have read the above-identified patent application and the Office Action issued by the U.S. Patent and Trademark Office on May 7, 2003, in the above-identified patent application.

4. I understand that the Examiner has rejected all of the elected claims. In rejecting the claims, the Examiner stated that the muFcRn -/-, and the muFcRn -/-, +huFcRn transgenic mice "cannot be routinely and reproducibly made in light of the state of the art of transgenic technology". I believe that the Examiner's statement is in error. At the time of the filing of the instant application, both the mouse FcRn gene and the human FcRn gene were known. The knockout and transgenic technologies were well established and routinely practiced to produce knockout or transgenic mice. Therefore, at the time of the filing of the above-identified patent application, with the guidance provided in the instant patent application, the transgenic mice used in the claimed methods could be routinely and reproducibly made by one of ordinary skill in the art.

Declarant further states that all statements made herein of his own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: 9/11/03

Signed: 

Curriculum Vitae

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Education:

1972 B.A. Zoology, University of Vermont, Burlington, VT
1984 Ph.D. Pathobiology, University of Minnesota, Minneapolis, MN

Professional Experience:

1980-1983 Research Assistant, University of Minnesota, Minneapolis, MN, Department of Laboratory Medicine and Pathology
Advisor: Fritz H. Bach
1984 Research Fellow, Harvard Medical School, Boston, MA, Department of Pathology,
Advisor: Matthew F. Mescher, Ph.D.
1985 Research Fellow, Dana-Farber Cancer Institute, Boston, MA, Department of Pediatric Oncology, Advisor: Steven J. Burakoff, M.D.
1985-1990 Associate Staff Scientist, The Jackson Laboratory, Bar Harbor, ME
1990-1999 Staff Scientist, The Jackson Laboratory, Bar Harbor, ME
2000-Present Senior Staff Scientist, The Jackson Laboratory, Bar Harbor, ME

Awards:

1984-1985 American Cancer Society Postdoctoral Fellowship
1994-1995 Merck Scholar in Immunology
1997 Co-organizer, The First International Symposium on Minor Histocompatibility Antigens
2001-2005 Alliance for Lupus Research Investigator
2002 Co-organizer, The 2nd International Symposium on Minor Histocompatibility Antigens

Memberships:

American Association of Immunologists
The Transplantation Society

Editorial Activities:

1989-Present Transplantation, Editorial Board
Ad Hoc, various journals

Review Panels:

1991-1995 Immunology, Virology and Pathology Study Section, NIH
1995-1999 NIH Reviewers Reserve
1995-present Ad Hoc at various NIH Study Sections
2003 Medical Research Council, United Kingdom

Invited Speaker and Conferences (2002-Present):

University of Connecticut, Department of Pathology, January 2002.
Alliance for Lupus Research, February 2002.
Department of Molecular and Cellular Biology, University of California, Berkeley, March 2002.
Co-organizer, 2nd International Symposium on Minor Histocompatibility Antigens, 13th IHWC, Seattle, May 2002.
The Immunogenomics of Minor Histocompatibility Antigens, 2nd International Symposium on Minor Histocompatibility Antigens, 13th IHWC, Seattle, May 2002.

Roopenian CV
Faculty. The Short Course in Medical and Experimental Medical Genetics, The Jackson Laboratory, Bar Harbor, Maine, July 1993-2003.

Harvard Institutes of Medicine, Harvard Medical School, July 2002.

Alliance for Lupus Research, New York, NY, March 2003

Scheicher and Schuell, Keene NH. February 2003.

New England BioLabs, Beverly MA March 2003

Vanderbilt University School of Medicine, April 2003

Original Publications:

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- Click RE, Schneider D, Roopenian DC. 1981. A new minor histocompatibility locus linked to H-3. *J Immunol* 126:2378-2381.
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- Orosz CG, Roopenian DC. 1984. Influence of PMA on T-lymphocyte responses to mitogenic lymphokines. *Lymphokine Res* 3:23-30.
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